Manitoba

Annual Report
1989-90

ENVIRONMENT

91-06031/

Manitoba

Minister of Environment

Room 346
Legislative Building
Winnipeg, Manitoba, Canada
R3C 0V8

(204) 945-3522

March, 1991

His Honour
The Honourable George Johnson
Lieutenant-Governor of Manitoba

Your Honour:

It is my pleasure to present the 1989-90 Annual Report of the Department of Environment. This report details the Department's accomplishments and activities for this period.

Respectfully submitted,

J. Glen Cummings
Minister of Environment

Manitoba

Deputy Minister
of Environment

Room 350
Legislative Building
Winnipeg, Manitoba, Canada
R3C 0V8

(204) 945-8829

March, 1991

The Honourable J. Glen Cummings
Minister of Environment

Dear Sir:

It is my pleasure to present you the Annual Report of Manitoba Environment and Workplace Safety and Health for the fiscal year ending in March 31, 1990. This report provides a comprehensive review of all aspects of Department activities for that period.

I would like to take this opportunity to compliment all Department staff for their dedication and efforts during the past year and also acknowledge the cooperation of federal, municipal and other provincial government departments.

Respectfully submitted,

Norm Brandson
Acting Deputy Minister of Environment

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Introduction

Structure of Annual Report

This Annual Report provides information respecting the departmental mission and departmental organization. Objectives, activities and operational outputs or information on results is provided at the operating unit level. Financial information is provided at the Branch (sub-appropriation) level.

In addition, expenditure and revenue comparative information is provided, along with variance explanations, between 1988/89 actuals and 1989/90 actuals and 1989/90 planned information. A five year historical comparison of expenditures is also provided.

Departmental Role and Mission

The mission of the Department of Environment is to serve present and future generations of Manitobans by protecting and enhancing the quality of the natural and community environments.

Statutes Administered by the Department of Environment

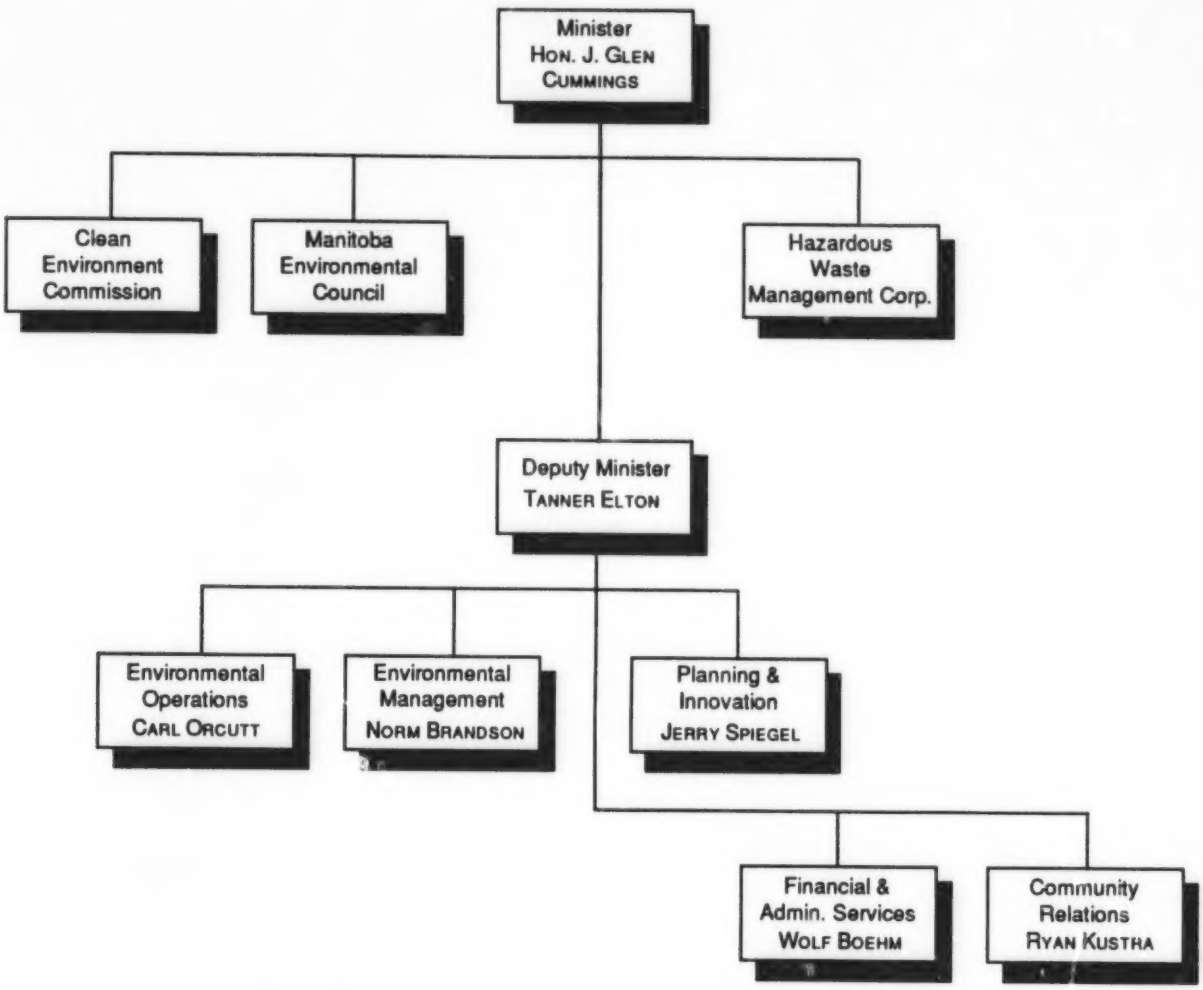
The following statutes are administered by the Department of Environment:

The Environment Act
The Dangerous Goods Handling and Transportation Act
The Manitoba Hazardous Waste Management Corporation Act
The High-Level Radioactive Waste Act
The Waste Reduction and Prevention Act (passed March 15,1990)*
The Ozone Depleting Substances Act (passed March 8, 1990)*

* New legislation approved during the 1989/90 fiscal year - not yet proclaimed.

In addition to the above, the Minister, through the Department, is also responsible for the administration of certain regulations under *The Public Health Act.*

Organization Chart



Executive Support

Objectives

To provide overall policy and general management direction to the Department.

To develop, implement and oversee departmental policies and programs which are designed to attain, over the long-term, the goals set out in the Department's mission statement.

Expenditures by Sub-Appropriation

1A/1B EXECUTIVE SUPPORT	Actual 1989/90 $	Estimate 1989/90 SY	Estimate 1989/90 $	Variance Over (Under)	Expl. No.
SALARIES					
Minister's Salary:					
- Main Estimate	19,000	1.00	20,600	(1,600)	
Executive Support:					
- Main Estimate	281,100	7.00	276,700		
- Main Estimate Authority from General Salary Increase XXV			5,400		
TOTAL SALARIES	**300,100**		**302,700**	**(2,600)**	
OTHER EXPENDITURES					
- Main Estimate	104,900		54,100	50,800	1
TOTAL OTHER EXPENDITURES	**104,900**		**54,100**	**50,800**	

Explanation:

1. Increased out-of-province travel and associated costs being incurred by the Minister and Deputy Minister attributable primarily to departmental participation in Canadian Council of Ministers of the Environment activities; and a general increase in telephone, supply and related office operating costs.

Planning, Research and Evaluation

Objective

To provide planning, policy research and program evaluation support for departmental programs.

Activities

The Planning, Research and Evaluation Branch is responsible for the following activities:

- coordination of strategic planning and issues management process within the Department.
- preparation of documentation identifying policy options and program needs for priority issues.
- conducting program reviews and evaluations.
- coordination of departmental legislative initiatives and regulation development including the preparation of impact statements.
- coordination of communication with other organizations that address the Department's mission.
- coordination of the Department's involvement with the Canadian Council of Ministers of the Environment.

Results Achieved

PROJECTS:

Ozone Depletion	Ozone Depleting Substances Act passed in March, 1990. Representation on National Committee. Establishment and participation on legislation implementation committee.
Radon	Chairmanship of Interdepartmental Working Group on Radon. Contract managed to carry out province-wide survey on radon. Radon Guide prepared. Canadian Geological Survey carried out via contractor.
Recycling	*Waste Reduction and Prevention Act* passed. Recycling Action Committee established and supported. Assisted in organizing major Recycling Conference.
ACRE	Lead role in establishing ACRE (Association for a Clean Environment) corporate entity. Participation on Board of Directors.

OTHER:

Strategic Planning	Issues management procedure and format established. Numerous issues tracked. Quarterly senior managers meeting organized.
Policy Options	Major policy paper on "Harnessing Market Forces to Support the Environment" prepared. Various other policy papers prepared . Organized major international sustainable development conference.
Program Reviews	Emergency Response Program reviewed. Initiated methods for review and evaluation of *The Environment Act*.
Coordination	Prepared 6 briefing books for use by the Minister/Deputy Minster respecting Canadian Council of Ministers of the Environment. Maintained departmental briefing book.

Expenditures by Sub-Appropriation

1C PLANNING, RESEARCH AND EVALUATION	Actual 1989/90 $	SY	Estimate 1989/90 $	Variance Over (Under)	Expl. No.
SALARIES		6.00	246,800		
- Main Estimate					
- Main Estimate Authority from General Salary Increase XXV			2,700		
TOTAL SALARIES	**275,500**		**249,500**	**26,000**	1
OTHER EXPENDITURES					
- Main Estimate	90,900		55,300		
- Grants	2,600		-		
TOTAL OTHER EXPENDITURES	**93,500**		**55,300**	**38,200**	2

Explanation:

1. Payment of a significantly higher than budgeted salary cost to two employees who were recruited from the Civil Service Commission Redeployment List. These two employees came over with their existing salaries which were much higher than had been allocated to the positions involved.

2. Incurring higher than anticipated costs respecting telephones, out-of-province travel and associated costs and equipment purchases. In addition, a grant of $2,590 was paid out of this appropriation to the Canadian Association of Administrators of Labour Legislation.

Community Relations

Objective

To foster increased public and news media awareness, appreciation and involvement in environmental matters.

Activities

The Community Relations Branch is involved in the following activities:

- coordination of communication activities respecting special events/activities.
- participation in organizing Environment Week activities.
- management of all ongoing communication needs of the Department.
- management of the Department's library services.

Results Achieved

Ministerial speeches, news releases, Fact Sheets prepared	50
Major Communication Programs managed	3
Media calls dealt with	600
Reference questions addressed	2,464
On-line Library searches conducted	67
Books ordered	382
Books catalogued	242
Periodical subscriptions dealt with	517
Public Registry transactions administered	116

Expenditures by Sub-Appropriation

1D COMMUNITY RELATIONS	Actual 1989/90 $	SY	Estimated 1989/90 $	Variance Over (Under)	Expl. No.
SALARIES					
- Main Estimate		6.00	170,600		
- Main Estimate Authority form General Salary Increase XXV			5,700		
TOTAL SALARIES	**207,100**		**176,300**	**30,800**	1
OTHER EXPENDITURES					
- Main Estimate	52,200		87,200		
TOTAL OTHER EXPENDITURES	**52,200**		**87,200**	**(35,000)**	2

Explanation:

1. Salaries paid at the Director level to two employees due to the secondment of the former Director to the Sustainable Development Coordination Unit. Under this arrangement, the Department, which received a term Staff Year to permit the replacement of the seconded employee, was required to fund the salary cost of both employees.

2. Pamphlet revisions and other related public information activities not being carried out (due to reorganization being carried out in the Department). The unexpended authority was utilized to cover expenditure requirements in other areas within this main appropriation.

Financial and Administrative Services

Objective

The objective of the Financial and Administrative Services Branch is to provide financial and administrative support services to the Department to ensure appropriate utilization of departmental resources and the effective delivery of programs, and to ensure compliance with governmental and departmental administrative policies and procedures.

Activities

The Financial and Administrative Services Branch provides the following services: financial services including the processing of all revenue and expenditures, estimates preparation, accountable advances, cost-shared claims, expenditure monitoring and reporting, cash flow forecasting and internal audit; payroll and human resource management services including payroll processing, recruitment, classification, performance appraisal system documentation/monitoring, career planning support, staff training and development and special projects; general support services including vehicle coordination, central inventory records, office equipment, word processing services, records management coordination and freedom of information management.

Results Achieved

Number of payment vouchers processed	8,177
Detailed Estimates prepared	2
Minister's Session Book prepared	1
Supplementary Estimates information	1
Number of selection boards held	24
Number of positions for which performance appraisal documentation monitored	205
Number of vehicles administered	68
Number of word processing documents processed	965
Training and development selection	10
Freedom of Information Requests dealt with	14

Expenditures by Sub-Appropriation

1E FINANCIAL AND ADMINISTRATIVE SERVICES	Actual 1989/90 $	SY	Estimate 1989/90 $	Variance Over (Under)	Expl. No.
SALARIES					
- Main Estimate		15.00	489,400		
- Main Estimate Authority from General Salary Increase XXV			11,500		
TOTAL SALARIES	**503,800**		**500,900**	**2,900**	
OTHER EXPENDITURES					
- Main Estimate	113,000		133,400		
TOTAL OTHER EXPENDITURES	**113,000**		**133,400**	**(20,400)**	**1**

Explanation:

1. Reduced level of expenditure for telephones and other office supplies due to a reduced staffing level (position vacancies pending departmental reorganization).

Environmental Control Services

Objective

To ensure the maintenance of a healthy public and natural environment for the use and well being of present and future generations of Manitobans.

Activities

The following activities are carried out by this Branch:

- administration of programs under *The Environment Act.*
- licensing of developments under *The Environment Act.*
- inspection of operations licensed under *The Environment Act* and initiation of appropriate enforcement action where necessary.
- enforcement of regulations under *The Environment Act.*
- provision of emergency response services to environmental accidents/incidents.
- administering the Department's activities with respect to solid waste management and recycling.
- administering the pesticide use permit system and inspecting users for compliance with permit conditions.
- providing technical advice and assistance to the Department, client groups and the general public.
- administration of certain regulations under *The Public Health Act* on behalf of the Minister of Health, including water and sewer system approvals, providing technical advice and carrying out regular inspection programs, and initiation of appropriate enforcement action where necessary.

Environmental Control Programs

1. Water Pollution Control

Objective

To protect the aquatic ecosystem and groundwater from degradation and ensuring a safe drinking water supply for Manitobans.

Activities

This is accomplished by:

- recommending conditions to the Director and Minister for use in developing *Environment Act* licenses, orders.
- advising the Department and Clean Environment Commission on technical aspects of wastewater treatment and disposal.
- monitoring wastewater discharges to determine the degree of compliance with *Environment Act* licenses and regulations.
- evaluating proposed water and wastewater works for public health concerns in preparation for approval by the Minister of Health.
- reviewing mine site rehabilitation schemes.
- providing technical assistance to municipal, provincial and federal governments respecting water treatment and distribution and wastewater collection, treatment and disposal.

Results Achieved

PUBLIC DRINKING WATER

Public Health Act approvals recommended	20
Public Health Act inspections	52

ENVIRONMENT ACT ACTIVITIES

Environmental Reports submitted	25
Public Hearings attended	7
Regulatory Inspections carried out	397
Public Complaints handled	15

2. Air Pollution Control

Objective

To ensure a clean, safe and aesthetically pleasing atmosphere for all Manitobans.

Activities

This is accomplished by:

- administering and enforcing the provisions of *The Environment Act* and regulations regarding emissions of air contaminants.
- providing technical advice and recommending emission standards to the Director and Minister for use in developing *Environment Act* licenses.
- inspecting/monitoring industrial sources of air emission in the Province.
- investigating all air pollution and sound/vibration complaints registered by citizens.
-providing technical assistance to municipal, provincial and federal governments when developing and enforcing programs and policies consistent with the guidelines established by the unit.

Results Achieved

Public Hearings	1
Inspections completed	287
Complaints received	290
Stack Sampling Surveys	4
Odour Surveys	42
Visible Emission Surveys	26
Noise Vibration Surveys	81
Proposals under the Environment Act	26
Requests for information	525
Licenses issued	22

Waste Management

Objective

To minimize the adverse effects to the environment and public health resulting from the generation, handling and disposal of solid waste and the storage and handling of gasoline and associated products.

Activities

This objective is achieved by:

- providing emergency response to chemical releases to the environment from accidents, spills, fires and leaks.
- administering the regulation dealing with the storage and handling of gasoline and associated products.
- administering the regulation dealing with waste disposal grounds (applicable to Class I sites).
- providing technical advice and assistance regarding the handling and disposal of solid waste.
- promoting re-use and recycling of waste materials.

Results Achieved

Landfill inspections	40
Complaints investigated	40
Technical consultations	30
Environmental Land Use Reviews	30
Volume collected at Household Hazardous Waste Days (Liquid)	12,360 L
Volume collected at Household Hazardous Waste Days (Solid)	2,680 kg
Gasoline Regulation Inspections	170
New Registrations under Regulation	120
Storage tank leaks responded to	40

Public Health Inspection Services

Objective

To protect the health of the citizens of Manitoba, minimize the spread of communicable disease and protect and maintain the environment.

Activities

This objective is achieved by:

- regular inspection, investigation and monitoring of food-related industries, bathing facilities, non-institutional care facilities, water supplies, waste disposal ground and private sewage disposal systems.
- responding to public complaints and enquiries.
- enforcing compliance with various statutes, regulations, by-laws and *Environment Act* licenses.
- responding to environmental accident situations and situations involving handling of dangerous goods.

Results Achieved

Food Control Program Establishments	4,500
Food Control Program Inspections	6,000
Water Control Program Facilities	450
Water Control Program Inspections	3,000
Environmental Control Program Inspections	6,000
Environmental Control Program Prosecutions	16
Sanitation Program Facilities	1,300
Sanitation Program Inspections	5,300
Communicable Disease Program Inspections	350
Interdepartmental/Intergovernmental Program	6,000

Pesticides

Objective

To minimize the adverse effects to the environment and public health resulting from pesticide use in Manitoba.

Activities

This unit achieves its objective by carrying out the following activities:

- providing professional expertise to the Branch/Department/Government in the general area of pesticide control.
- assisting in administering the registration and control of pesticide applicators and dealers.
- providing training programs to applicators in the safe application and handling of pesticides.
- providing technical advice and assistance to municipalities in the area of pesticide container disposal and unwanted obsolete pesticides.
- managing and enforcing the pesticide use permit system implemented in 1985.
- providing technical information and training commercial pesticide dealers and applicators in the area of vertebrate pest control.
- responding to complaints/enquiries from the public respecting pesticide use.
- providing professional and technical assistance to the Standing Committee on Health, Occupational Safety and Environment of the Canadian Association of Pesticide Control Officials to resolve pesticide concerns common to Canadian provinces.

Results Achieved

Pesticide containers collected (by Municipalities)	270,000
Provincial Collection Sites (Municipal)	156
Pesticide residue collected	9,840L
Complaints investigated	30
Prosecution of commercial dealers/applicators	1
Pesticide Application Permits issued	283
Pesticide Post Seasonal Reports received	267
Mosquito control assistance to Municipalities	3
Pesticide Misuse Inspections	27
Pesticide Training Courses conducted	19
Water Monitoring Surveys	5
Permit Conditions Compliance Inspections	109

Expenditures by Sub-Appropriation

2A ENVIRONMENTAL CONTROL SERVICES	Actual 1989/90 $	SY	Estimate 1989/90 $	Variance Over (Under)	Expl. No.
SALARIES					
- Main Estimate		79.00	3,026,800		
- Main Estimate Authority from General Salary Increase XXV			32,800		
TOTAL SALARIES	**3,049,800**		**3,059,600**	**(9,800)**	
OTHER EXPENDITURES					
- Main Estimate	613,100		560,300	52,800	1
- Grants	6,800		3,700	3,100	2
TOTAL OTHER EXPENDITURES	**619,900**		**564,000**	**55,900**	

Explanation:

1. Increased staff travel costs and increased costs associated with responding to environmental emergencies.

2. Payment of a grant to the Biomass Energy Institute.

Environmental Management Services

Objective

To preserve and protect the natural environment for the use and well-being of present and future generations of Manitobans.

Activities

The following activities are carried out by this Branch:

- identifying new environmental thrusts or concerns and developing programs and strategies to meet them.
- developing environmental quality objectives, guidelines and standards for Manitoba.
- assessing, on a continuing basis, the state of the environment through on-going monitoring of air and land-related ecosystems and assessing the effectiveness of environment/environmental health control programs.
- developing methodologies for determining the assimilative capacity of the environment with respect to designated pollutants.
- assessing, on a continuing basis, the Department's legislated environmental mandate and revising existing statutes and regulations or devising new ones as necessary.
- providing scientific support for the Province's environmental management activities including the provision of laboratory analytical services.
- controlling the handling and transportation of dangerous goods and the transport and disposal of hazardous wastes through the administration of *The Dangerous Goods Handling and Transportation Act.*
- coordinating environmental assessment activities for Class 2 and Class 3 projects under *The Environment Act.*

Environmental Standards and Studies

1. Air Standards and Studies and Computer Services

Objective

To identify the quality of air in Manitoba and provide support for its ongoing protection, and to provide information processing support services to the Department.

Activities

The following activities are carried out to accomplish this objective:

- the development and review of air quality objectives/guidelines for Manitoba for those air pollutants of concern.
- monitoring ambient air quality within the urban community and within the vicinity of specific source industries to determine adherence to air quality objectives/guidelines.
- undertaking special project investigations on air quality.
- developing air quality dispersion models and predicting the effect of an emissions source or concern.
- providing technical support to the Department, including the Clean Environment Commission, on questions relating to ambient air quality and the impact of air pollutants on the ecosystem.
- participating on the Department's environmental emergency accident response team and providing related technical support.
- delivering a data processing support service to the Department.

Results Achieved

AIR STANDARDS AND STUDIES

National Air Pollution Surveillance (monitoring stations operated)	5
Impingement Air Monitoring (monitoring stations operated)	2
Precipitation Monitoring Program (sites operated)	1
Member of Emergency Response Team (rotational member/other support)	1
Participation in Federal/Provincial Committees re Air Quality Management	2
Special Projects Undertaken	2

COMPUTER SERVICES

New micro computer installations	54
Application programs supported	70
Number of problems responded to	1,000
Installed software supported	250

2. Water Standards and Studies

Objective

To provide water quality management and set water quality standards for the Province of Manitoba.

Activities

The following activities are carried out to accomplish this objective:

- development of ambient water quality objectives, guidelines and/or standards for the Province.
- monitoring surface waters including the zone of influence of an effluent discharge (eg. municipal, industrial, abandoned mines).
- investigating the effectiveness of point source control strategies in protecting the environment (for the Clean Environment Commission and the Department).
- undertaking watershed classification of Manitoba's 19 watersheds.
- providing recommendations and scientific support respecting protection of water quality.
- providing baseline water quality data for industrial and municipal developments and for public inquiries.
- developing and maintaining a surface water quality monitoring network.
- maintaining a biomonitoring network for the detection of trace metals and organics in southern Manitoba rivers.
- developing provincial water management policies as a member of the Interdepartmental Water Management Strategy Team.

Results Achieved

Surface Water Quality Monitoring Sites	43
Biological Monitoring Stations	5
Bacteriological Monitoring - Beaches	10
Site Specific Investigations	12
Surface Water Quality Concern Responses	463
Groundwater Quality Concern Responses	24
Surface Water Quality Environmental Impact Studies Reviewed	165
Provincial Water Quality Objectives Reviewed	1
Manuscript Reports Produced	5
Assessment Reports Produced	1
Data Reports Produced	2
Published Papers	4
Presented Papers	10
Requests for Water Quality Data	192
Environmental Licences issued	22

3. Terrestrial Standards and Studies

Objective

To provide technical and assessment responses to environmental issues respecting the land environment, including monitoring, studies and the establishment of standards for soil, vegetation and wildlife systems.

Activities

The following activities are carried out to accomplish this:

- designing and executing studies aimed at ascertaining the level of environmental quality or contamination by examining vegetation, soils or wildlife communities and by measuring, documenting and attempting to predict changes indicative of adverse environmental impact.
- using, testing or developing pertinent methodologies applicable to Manitoba conditions.
- establishing, maintaining and developing a base of background data and techniques pertaining to the land environment for reference when the need arises.
- preparing reports and evaluating peer reports relevant to the terrestrial environment in the Province.
- preparing and presenting recommendations for terrestrial standards or guidelines.
- presenting and defending information to the Clean Environment Commission.
- providing scientific support to environmental impact assessment and other relevant committees.

Results Achieved

Northern Mining Smelters - Forest Impact Studies	Field program completed.
Acid Rain - Terrestrial Monitoring	Monitored 3 ARNEWS sites.
Acid Rain - Snow Surveys	Monitored 26 sites in area of Thompson and Flin Flon.
Lead-in-Soil Studies	Weston School sampled and soil removed and replaced in Roland.
Wood Preservative Industries	Released report; developed Environmental Licenses.
Petroleum Industry - Spill Monitoring	No salt contamination found from monitoring.
Cadmium in Wildlife	Lab analysis complete. Final report initiated.
Snow Dump Sites - City of Winnipeg	Completed study and developed regulation plan.
Cadmium in Vegetation	Field and lab study components complete. Report drafted.
Metal Contamination - North Point Douglas	Provide technical expertise to City officials.
Environmental Impact Assessment - Forest Management	Chair TAC for Repap, develop guidelines for Repap and Abitibi.
Special Studies	Responded to eight special investigations.
State of the Environment Report	TAC formed, report strategy developed; First draft developed with other government departments.

*TAC = Technical Advisory Committee.

*ARNEWS = Acid Rain National Early Warning System.

Technical Services Laboratory

Objective

To provide laboratory services in support of departmental programs, to the general public, to other provincial departments and agencies and to various clients outside the provincial system.

Activities

- Methods and Standards
- Inorganic Analysis
- Organic Analysis
- Hazardous Waste/Limnology
- Equipment calibration and electronic supply services are provided to a wide variety of clients.

Results Achieved

Number of Samples handled	22,825
Number of Analyses carried out	136,691

Hazardous and Special Waste Program

Objective

To minimize environmental and public health and safety risks associated with the handling and management of dangerous goods/hazardous waste in Manitoba through effective administration and enforcement of *The Dangerous Goods Handling and Transportation Act.*

Activities

The following activities are carried out to accomplish this:

- developing regulations under The Dangerous Goods Handling and Transportation Act.
- administering and enforcing provisions of *The Dangerous Goods Handling and Transportation Act* and regulations thereunder.
- liaising with Canada to ensure appropriate implementation of the Canada Transportation of Dangerous Goods regulation.
- providing technical support to the Department on all matters relating to dangerous goods.
- maintaining a 24-hour emergency response system for response to environmental accidents.
- liaising with the Manitoba Hazardous Waste Management Corporation and other industry groups to coordinate the development of a comprehensive system to manage the safe disposal of hazardous waste generated in the Province of Manitoba.

Results Achieved

Enquiries handled	1253
Compliance Inspections conducted	
- Transportation of Dangerous Goods	1618
- Hazardous Waste	74
Waste Generator Registrations received	337
Emergency Response:	
-Emergency System Calls received	385
-Number of Environmental Accidents	240
	(167 incidents required departmental staff involvement).
By Type:	
-Transport Related	66
-Equipment Failure	70
-Handling of Dangerous Goods	81
-Miscellaneous	23

Approvals/Operating Orders Issued under The Dangerous Goods Handling and Transportation Act.	24
Clean-up/Improvement Orders Issued under The Dangerous Goods Handling and Transportation Act.	46
Prosecutions Initiated by Departmental Staff under The Dangerous Goods Handling and Transportation Act.	13

Environmental Assessment and Review

Objective

To expedite specific review requirements for Class 2 and 3 developments under *The Environment Act* and its regulations.

Activities

The following activities are carried out to accomplish this objective:

- subjecting assigned Class 2 and 3 developments as prescribed under *The Environment Act* regulations to an environmental review prior to their construction.
- liaising with developers to ensure consideration of environmental factors while the project is in the planning stages.
- coordinating the review process.
- representing the Department at Clean Environment Commission hearings regarding proposals filed under *The Environment Act.*
- drafting *Environment Act* licenses with appropriate limits, terms and conditions for the consideration of the Director/Minister.
- carrying out inspections of specific operations to determine compliance with *Environment Act* License conditions of approval and to assess the adequacy of mitigative measures imposed by *The Environment Act.*

Results Achieved

Potash	Ongoing
North-Central Electrification	Ongoing
Reston-Virden Transmission Line	Ongoing
Conawapa	Ongoing
Bi-Pole Transmission Line	Ongoing
Riel-USA 500 KV Export Transmission Line	Ongoing
Shoal Lake	Ongoing
Trans-Canada Pipelines Looping	Ongoing
Land Use Coordination of Departmental Input Development Plans	Ongoing
Alonsa, L.G.D. of - Road Construction	New
Carman Flood Protection Diversion	New
Castle Dunes Golf Course	New
Charleswood Bridge	New
Fisher Branch Golf and Country Club	New
Glenlea Golf Course	New

Highway 75 Route Location Study	New
Highways, Department of - Provincial Road 227	New
Highways, Department of - Provincial Road 340	New
Highways, Department of - Provincial Road 584	New
Highways, Department of - Provincial Road 587	New
Highways, Department of - Provincial Road 591	New
Highways, Department of - PTH 1 Oak Lake/Routledge	New
Highways, Department of - PTH 75 205/Morris River	New
Highways, Department of - PTH 8 Hecla Island	New
Highways, Department of - Shellmouth Access	New
Highways, Department of - Twinning of PTH75	New
Highways, Department of - Twinning of PTH75 to PR243	New
ICG Utilities Gas Pipeline - Red River Valley	New
Larter's at St. Andrews Golf Course	New
Links at Quarry Oaks - Golf Course	New
Lorette Golf Course	New
Manitoba Hydro - Bi-pole III and Transmission Line	New
Manitoba Hydro - Conawapa Access Road	New
Manitoba Hydro - Conawapa Exploration Program	New
Manitoba Hydro - Kettle/Limestone Transmission Line	New
Manitoba Hydro - Selkirk Fibre Optic Cable	New
Manitoba Hydro - Sherridon (Transformer Station)	New
Manitoba Hydro - Silver Transmission Line and Station	New
Mars Sandhills Resort	New
Netley Creek Golf Course	New
North Star Ski Resort	New
Pinawa Golf Course Expansion	New
Ridgewood South Golf Course	New
River Oaks Golf Course	New
Springfield Meadows Golf Club	New
Manitoba Hydro - Conawapa Transmission Line	New
Manitoba Hydro - Loudin Transmission Line	New
Lee River Golf Course	New
The Players Golf Course	New
Highways, Department of - Provincial Road 334	New
Highways, Department of - PTH Morden-Winkler	New

Special Studies

Objective

To provide the Department with corporate services related to legislation/regulation development and review, interjurisdictional relations, interdepartmental liaison and issue management.

Activities

The following activities are carried out to accomplish this objective:

- provision of strategic and legislative advice for the efficient handling of environmental issues beyond the scope of one Branch of the Department.
- provision of planning and consulting services to various environmental programs.
- negotiation of various interjurisdictional agreements.
- managing the Department's regulation and legislation development processes.

Results Achieved

Carried out preparatory work for the proclamation of the remainder of *The Dangerous Goods Handling and Transportation Act.*	- documentation prepared. - implementation planning. - negotiations with the City of Winnipeg. - consultation process with rural municipalities.
Initiated departmental input into the regulatory reform initiative.	- conducted preliminary review of departmental regulations and developed a reform plan. - liaison with the Regulatory Review office. - participated on business reform committee.
Management of public consultation process respecting the Waste Disposal Ground regulation.	- preparation of presentation materials. - presentation of material at the Manitoba Association of Urban Municipalities and Union of Manitoba Municipalities regional and annual meetings. - held meetings with various municipalities on request.
Management of the overall regulation development process.	- Sewage from Pleasure Vessels; under development. - Shoal Lake Sensitive Areas; under development. - Anhydrous Ammonia; consultation occurring. - Swimming Pools; consultation occurring. - Private Sewage Disposal Systems; consultation occurring.
Internal Consultations.	- mining exploration and *The Environment Act.* - Hudson Bay Mining and Smelting fugitive emissions. - penalties under *The Environment Act* and *The Dangerous Goods Handling and Transportation Act.* - Repap - environmental licensing process. - initiate development of a departmental enforcement policy. - development of appeal procedures under *Environment Act* licensing.
External Consultations/Presentations.	- Natural Resource Institute practicum committee. - Chamber of Commerce *Environment Act* presentation. - Canadian Insolvency Association presentation on *The Environment Act* and *The Dangerous Goods Handling and Transportation Act.* - Manitoba Urban Affairs respecting possible *City of Winnipeg Act* amendments relative to environmental assessment.

Intergovernmental negotiations.	- *Canadian Environmental Protection Act* - pulp and paper mills, equivalency criteria for provincial regulations. Participation on two Task Forces to address these issues. - initiating negotiations for the Manitoba/Ontario Environmental Accord. - development of a development agreement with Ontario respecting the Consolidated Professor gold mine on Shoal Lake. - development/negotiation of a "Statement of Environmental Cooperation on Environmental Matters" between Canada and the provinces and territories.
Committee Participation.	- Health and Environment Review Committee. - City of Winnipeg Liaison Committee.
AECL Underground Research Laboratory	- monitoring and reporting.

Expenditures by Sub-Appropriation

2B ENVIRONMENTAL MANAGEMENT SERVICES	Actual 1989/90 $	SY	Estimate 1989/90 $	Variance Over (Under)	Expl. No.
SALARIES					
- Main Estimate		85.21	3,014,800		
- Main Estimate Authority from General Salary Increase XXV			45,000		
TOTAL SALARIES	**2,928,800**		**3,059,800**	**(131,000)**	1
OTHER EXPENDITURES					
- Main Estimates	934,600		936,400	(1,800)	
- Grants	70,500		22,900	47,600	2
TOTAL OTHER EXPENDITURES	**1.005,100**		**959,300**	**45,800**	
- Recoverable from other Appropriations	(83,800)		(92,700)	(8,900)	3
TOTAL EXPENDITURES	**921,300**		**866,600**	**36,900**	

Explanation:

1. A number of positions were not utilized for a portion of the fiscal year due to a pending departmental reorganization.

2. Payment of a grant to the University of Manitoba respecting the carrying out of a water quality monitoring project on the Souris River.

3. Delayed payment of a number of accounts relative to laboratory analytical services.

Dangerous Goods Inspectorate Training

Objective

To ensure dangerous goods and hazardous waste are handled, offered for transport and transported in a manner consistent with the Acts and Regulations governing their movement, and to enforce breeches of the Act and Regulations for compliance.

Activities

The provision of funding to train those personnel, outside of the Department of Environment, that will be providing inspection support to the Department relative to the enforcement of *The Dangerous Goods Handling and Transportation Act.*

Results Achieved

Warning issued	43
Offence Notices issued	11
Total Inspections	1754

Expenditures by Sub-Appropriation

2C DANGEROUS GOODS INSPECTORATE TRAINING	Actual 1989/90 $	SY	Estimate 1989/90 $	Variance Over (Under)	Expl. No.
TOTAL SALARIES		-	-		
OTHER EXPENDITURES					
- Main Estimate	189,200		190,200	(1,000)	
TOTAL OTHER EXPENDITURES	**189,200**		**190,200**	**(1,000)**	

Manitoba Hazardous Waste Management Corporation

The Manitoba Hazardous Waste Management Corporation is required, under *The Manitoba Hazardous Waste Management Corporation Act*, to prepare a separate annual report.

Expenditures by Sub-Appropriation

	Actual 1989/90		Estimate 1989/90	Variance Over (Under)	Expl. No.
2D MANITOBA HAZARDOUS WASTE MANAGEMENT CORPORATION	$	SY	$		
TOTAL SALARIES		-	-		
OTHER EXPENDITURES					
- Main Estimate / Grants	1,940,200		2,500,000	(559,800)	
TOTAL OTHER EXPENDITURES	1,940,200		2,500,000	(559,800)	1

Explanation:

1. Less than anticipated expenditure by the Manitoba Hazardous Waste Management Corporation during the Corporation's 1989 fiscal year. This reduced expenditure level is due primarily to a slow-down in site selection activities.

Environmental Advisory Organizations

Clean Environment Commission

The Clean Environment Commission is required, under *The Environment Act*, to prepare a separate annual report.

Expenditures by Sub-Appropriation

	Actual 1989/90		Estimate 1989/90	Variance Over (Under)	Expl. No.
3A CLEAN ENVIRONMENT COMMISSION	**$**	**SY**	**$**		
SALARIES					
- Main Estimate		3.00	184,500		
- Main Estimate Authority from General Salary Increase XXV			3,300		
TOTAL SALARIES	**165,100**		**187,800**	**(22,700)**	1
OTHER EXPENDITURES					
- Main Estimate	232,800		129,800	103,000	
TOTAL OTHER EXPENDITURES	**232,800**		**129,800**	**103,000**	2

Explanation:

1. Not utilizing funds budgeted for severance purposes. An anticipated retirement did not occur.

2. The Clean Environment Commission holding more hearings than originally anticipated. Additional commissioners were appointed and increased travel and related costs, additional transportation costs, and legal costs were incurred.

Manitoba Environmental Council

Although not required to do so under statute, the Manitoba Environmental Council will be preparing and releasing a separate annual report.

Expenditures by Sub-Appropriation

3B MANITOBA ENVIRONMENTAL COUNCIL	Actual 1989/90 $	SY	Estimate 1989/90 $	Variance Over (Under)	Expl. No.
SALARIES					
- Main Estimate		2.00	57,400		
- Main Estimate Authority from General Salary Increase XXV			1,800		
TOTAL SALARIES	**52,700**		**59,200**	**(6,500)**	1
OTHER EXPENDITURES					
- Main Estimate	13,800		13,800	-	
TOTAL OTHER EXPENDITURES	**13,800**		**13,800**	-	

Explanation:

1. The incumbent of one of the Council's positions being paid at a lower salary rate than was budgeted.

Financial Information

Department of Environment
Expenditure Summary
for the fiscal year ended March 31, 1990
with comparative figures for the previous fiscal year

Estimate 1989/90	Appropriation	Actual 1989/90	Actual 1988/89	Increase (Decrease)	Expl. No.
$		$	$	$	
	31-1 Administration and Finance				
20,600	(a) Minister's Salary	19,000	11,500	7,500	1
	(b) Executive Support				
276,700	Salaries	281,100	262,900	18,200	
54,100	Other Expenditures	104,900	91,200	13,700	2
	(c) Planning, Research and Evaluation				
246,800	Salaries	275,500	199,300	76,200	3
55,300	Other Expenditures	93,500	34,200	59,300	4
	(d) Community Relations				
170,600	Salaries	207,100	130,200	76,900	5
87,200	Other Expenditures	52,200	52,800	(600)	
	(e) Financial and Administrative Services				
489,400	Salaries	503,800	455,800	48,000	
133,400	Other Expenditures	113,000	124,000	(11,000)	
1,534,100	Total 31-1	1,650,100	1,361,900	288,200	
	31-2 Environmental Management				
	(a) Environmental Operations				
3,026,800	Salaries	3,049,800	2,959,300	90,500	6
564,000	Other Expenditures	619,900	646,100	(26,200)	
	(b) Environmental Management				
3,014,800	Salaries	2,928,800	2,514,700	414,100	7
959,300	Other Expenditures	1,005,100	729,100	276,000	8
(92,700)	Recoverable From Other Appropriations	(83,800)	(65,700)	(18,100)	9
	(c) Dangerous Goods Inspectorate Training				
190,200	Other Expenditures	189,200	52,800	136,400	10
	(d)Manitoba Hazardous Waste Management Corporation				
2,500,000	Other Expenditures	1,940,200	1,363,400	576,800	11
10,162,400	Total 31-2	9,649,200	8,199,700	1,449,500	

	31-3 Environmental Advisory Organizations				
	(a) Clean Environment Commission				
184,500	Salaries	165,100	192,700	(27,600)	12
129,800	Other Expenditures	232,800	70,000	162,800	13
	(b) Manitoba Environmental Council				
57,400	Salaries	52,700	46,300	6,400	
13,800	Other Expenditures	13,800	12,800	1,000	
385,500	Total 31-3	464,400	321,800	142,600	
12,082,000	TOTAL EXPENDITURES	11,763,700	9,883,400	1,880,300	

Explanation Number:

1. Minister's position being shared during 1988-89 with Manitoba Labour.

2. Minister and Deputy Minister being involved in additional out-of-Province travel and somewhat increased office operating costs - stationery, telephones, photo copying.

3. Payment of significantly higher salary cost respecting two employees hired from the Civil Service Priority Staffing list. These two employees came to the Department with their existing salaries which were significantly higher than had been budgeted for the two positions.

4. Payment of an unplanned grant, increased communication costs, increased travel and associated costs, publication costs and other increased operating costs.

5. Salaries being paid at the Director level to two employees due to the secondment of the former Director to the Sustainable Development Coordination Unit.

6. Staff merit increments and M.G.E.A. contract increases.

7. Staff merit increments, M.G.E.A. contract increases, filling of vacant Branch positions.

8. Increased equipment acquisition (computer and laboratory equipment) primarily to facilitate greater automation of the laboratory operation, increased staff travel costs, increased grant payments and increased program operating costs - supplies, office-related costs.

9. Changes in the sample rate.

10. Increased program activity under the Dangerous Goods Inspectorate Training Agreement in order that training was maximized prior to the Agreement expiring as at March 31, 1990. Additionally, other non-shareable environmentally-related expenditures were incurred.

11. The Manitoba Hazardous Waste Management Corporation accelerating site selection activity in 1989. This involved increased consultant and public communication activity.

12. One staff year being transferred out of the Clean Environment Commission in 1989-90.

13. The Clean Environment Commission holding more hearings than originally anticipated. Additional commissioners were appointed and increased travel and related costs, additional transcription costs, and legal costs were incurred.

Department of Environment
Revenue Summary by Source
for the year ended March 31, 1990
with comparative figures for the previous fiscal year.

Actual 1988-89	Actual 1989-90	Increase (Decrease)	Source	1989-90 Actual	1989-90 Estimate	Variance	Expl. No.
$	$	$		$	$	$	
			Current Operating Programs:				
			Other Revenue:				
62,400	154,400	92,000	(a) Laboratory Fees	154,400	175,500	(21,100)	1
42,200	6,300	(35,900)	(b) Miscellaneous	6,300	16,000	(9,700)	2
104,600	160,700	56,100	Total	160,700	191,500	(30,800)	
			Government of Canada:				
			(a) Dangerous Goods Inspectorate Training Agreement				
52,800	91,900	39,100		91,900	190,200	(98,300)	3
52,800	91,900	39,100	Total	91,900	190,200	(98,300)	
157,400	252,600	95,200	Total Revenue	252,600	381,700	(129,100)	

Explanatory Comments Regarding Revenue Increases (Decreases) and Variances:

1. Variance between 1988-89 and 1989-90 actuals is due to full year recoveries at a new public sample rate of $10.00; application of the increased charge rate respecting laboratory samples of $1.30 per Dominion Bureau of Statistics Unit; and application of the laboratory charge rate to the City of Winnipeg and municipalities for the full fiscal year. The variance between the 1989-90 actual and estimated amount is due to less work volume being generated than was initially anticipated.

2. Variance is due primarily to the receipt of unanticipated revenue representing the costs incurred respecting an emergency response spill clean-up. As well, there was a decrease in M.G.E.A. recoveries in 1989-90 as there was a reduction in staff participating in M.G.E.A. activities during 1989-90.

3. The variance between 1988-89 and 1989-90 actuals is the result of more training activities being undertaken during 1989-90 (due at least in part to the fact that the Agreement expired at at March 31, 1990). The variance between 1989-90 actuals vs. planned is due to less than originally planned training activity occurring.

Historical Information

Department of Environment
Five Year Expenditure and Staffing Summary by Appropriation ($000)
for the years ending March 31, 1986 - March 31, 1990

Appropriation	Actual/* Adjusted Expenditures									
	1985-86		1986-87		1987-88		1988-89		1989-90	
	SY	$	SY	$	SY	$	SY	$	SY	$
31-1 Administration and Finance	36.26	1,335,700	36.26	1,366,600	36.39	1,424,600	30.26	1,361,900	39.00	1,650,100
31-2 Environmental Management	159.09	6,866,700	159.09	7,145,900	157.25	6,875,700	151.21	8,199,700	161.21	9,649,200
31-3 Environmental Advisory Organizations	7.00	368,500	6.00	365,900	6.00	377,100	5.00	321,800	5.00	464,400
TOTALS	**202.35**	**8,570,900**	**201.35**	**8,878,400**	**200.12**	**8,677,400**	**186.47**	**9,883,400**	**205.21**	**11,763,700**

* Adjusted figures reflect historical data on a comparable basis in those appropriations affected by a reorganization, during the years under review.

Appendix

Suspensions or Variations Under The Environment Act

Section 18(2) of The Environment Act states:

"A suspension or variation granted pursuant to subsection (1) shall be recorded in the public registry and in the department's annual report."

The following suspensions requests were approved by the Department of Environment during the 1989/90 fiscal year:

DATE	LOCATION	PURPOSE
July 19, 1989	Paint Lake (Parks Branch)	For discharge of Paint Lake lagoon.
July 24, 1989	Village of Teulon	For discharge of lagoon.
August 14, 1989	Egg Lake Rehabilitation Camp (Government Services)	For discharge of lagoon.
October 11, 1989	Town of Roblin	For discharge of lagoon.
November 1, 1989	St. Andrews (Highway Gardens Trailer Court)	For discharge of lagoon.
November 6, 1989	Thicket Portage (Frontier School Division)	For discharge of lagoon.